Probleme rezolvate stringuri

**1. //extragere cuvinte cu mai multe spatii si alte caractere**

#include<iostream.h>

#include<string.h>

#include<conio.h>

void main()

{ char sir[200],cuv[200],\*p,sep[]=",!? "; int i,j;

clrscr();

cin.get(sir,100);

i=1;

while(i<strlen(sir))

{

if( strchr(sep,sir[i])!=NULL && strchr(sep,sir[i-1])==NULL)

{ strxfrm(cuv,sir,i+1);

//prel cuvant

strcpy(sir,sir+i);//sterg

cout<<cuv<<endl;

//cout<<sir<<endl;

i=0;

while( strchr(sep,sir[i])!=NULL) strcpy(sir,sir+1);

i=1;}

else i++;

}

cout<<sir<<endl;

//prelucreaza ultimul cuvant ramas in sir

}

**//extragere cuvinte cu mai multe spatii sau alte caractere**

#include<iostream.h>

#include<string.h>

#include<conio.h>

void main()

{ char sir[200],cuv[200],\*p; int i,j;

clrscr();

cin.get(sir,100);

p=strchr(sir,' ');

while(p)

{ strxfrm(cuv,sir,p-sir+1);

//prelucrare cuvant

strcpy(sir,p);int poz=p-sir;

while(sir[poz]==' ') strcpy(sir,sir+1);

p=strchr(sir,' ');

cout<<cuv<<endl;

cout<<sir<<endl;

}

//prelucreaza ultimul cuvant ramas in sir

}

**2. /\* un text de maxim 200 caractere, cuvinte separate printr-un singur spatiu; sa se afiseze cuvintele care**

**contin cel mult 3 vocale \*/**

#include<iostream.h>

#include<conio.h>

#include<string.h>

#include<stdio.h>

void main()

{

clrscr();

char sir[255],cuv[255],voc[5]="aeiou",\*p,\*q;int i,n;char c[1]=" ";

cin.get(sir,255); cin.get();

/\* n=strlen(sir); \*/

p=strchr(sir,c[0]);

while (p)

{ cuv[0]=0;

/\* ptr initializare sir vid cuv[0]=NULL sau cuv[0]='\0' \*/

strncpy(cuv,sir,p-sir);

//Atentie sirul cuv nu este terminat cu NULL

int k=0; cuv[p-sir]=0;

n=strlen(cuv);

for(i=0;i<n;i++)

{ if (strchr(voc,cuv[i])) k++;}

if( k<=3) cout<<cuv<<endl;

strcpy(sir,p+1);/\* sterg primul cuvant din sir \*/

cout<<sir<<endl;

p=strchr(sir,c[0]);

}

n=strlen(sir); /\* ultimul cuvant ramas in text \*/

int k=0;

for(i=0;i<n;i++)

{ if (strchr(voc,sir[i])) k++;}

if( k<=3) cout<<sir<<endl;

}

**Exemplu**

#include<iostream.h>

#include<fstream.h>

#include<conio.h>

void main()

{

clrscr();

int i=0; char x[1002];

fstream f("fis.txt",ios::out);

for (i=1;i<=1000;i++)

{ f<<'a';}

f.close();

fstream f1("fis.txt",ios::in);

**f1.getline(x,1001);**

f1.close();

cout<<x;

}

**3. prefixe**

#include<iostream.h>

#include<string.h>

#include<conio.h>

void main()

{

clrscr();

char sir[100],prefix[100]; int i;

cout<<"cuvantul initial=";

cin.get(sir,50);

for(i=0;i<strlen(sir);i++)

{ strxfrm(prefix,sir,i+2);

cout<<prefix<<endl;

}

}

**4. sufixe**

#include<iostream.h>

#include<string.h>

#include<conio.h>

void main()

{

clrscr();

char sir[100],sufix[100]; int i;

cout<<"cuvantul initial=";

cin.get(sir,50);

for(i=0;i<=strlen(sir);i++)

{ strcpy(sufix,sir+strlen(sir)-i);

cout<<sufix<<endl;

}

}

**5. /\* sa se stearga toate vocalele**

**dintr-un cuvant in ordinea in care apar**

**Ex: "examen" xamen, xmen, xmn \*/**

#include<iostream.h>

#include<conio.h>

#include<string.h>

void main()

{ clrscr();

char sir[255],voc[5]="aeiou",\*p,\*q;int i,n;

cin.get(sir,20);

n=strlen(sir);

i=0;

while (i<n)

{ p=strchr(voc,sir[i]);/\* p=pointer pentru voc, q pointer pentru sir\*/

if (p) {q=&sir[i];strcpy(q,q+1);cout<<sir<<endl;n--;}

else i++;

}

}

6**. /\* fie sir="teuuuesppi", sa se stearga toate caracterele identice aflate pe pozitii succesive**

**prima data va sterge uuu=> "teesppi"**

**=>tsppi =>tsi... \*/**

#include <iostream.h>

# include <string.h>

# include<conio.h>

void main()

{

clrscr();

char sir[255],\*p,\*q,\*r;

cin.get(sir,255);

cin.get();

p=q=r=sir;

cout<<sir<<r<<endl;

int lung=strlen(sir);

int i=1;

while (i<lung)

{

int ok=0;p=&sir[i-1];q=&sir[i];int j=i;

while (sir[j]==sir[i-1])

{ j++;lung--;ok=1;q++;}

if(ok) {strcpy(p,q);i--;}

else i++;

}

cout<<sir<<endl;

}

**7. stergere….**

#include<iostream.h>

#include<string.h>

#include<conio.h>

void main()

{ char sir[200],final[200],c[30],cs[30],temp[100],\*p; int i,j,l,nr;

clrscr();

cin.get(sir,100);

cin.get();

cin.get(c,25);

l=strlen(c);

final[0]=NULL;

for(i=0;i<l;i++)

cs[i]='\*';

cs[l]=NULL;

p=strstr(sir,c);

while(p)

{

strxfrm(temp,sir,p-sir);

strcat(final,temp);

strcat(final,cs);

nr=p-sir+l;

strcpy(sir,sir+nr);

p=strstr(sir,c);

}

strcat(final,sir);

cout<<final<<endl; }

**8. /\* sa se stearga toate vocalele**

**dintr-un cuvant in ordine alfabetica**

**Ex: "bacalaureat"**

**se va sterge a=> bcluret**

**e=>bclurt...\*/**

#include<iostream.h>

#include<conio.h>

#include<string.h>

void main()

{ clrscr();

char sir[255],voc[5]="aeiou",\*p;int i;

cin.get(sir,20);

for(i=0;i<5;i++)

{

p=strchr(sir,voc[i]);int ok=0;

while(p)

{ strcpy(p,p+1);p=strchr(sir,voc[i]);ok=1;}

if (ok) cout<<sir<<endl;

}

}

**9. test-cin**

#include <iostream.h>

# include <string.h>

# include<conio.h>

void main()

{

clrscr();

char \*p,\*q; char sir1[255],sir2[255];

int i;

/\* p="ana are mere";

cout<<p<<endl;

p="test";

cout<<p<<endl;

q=++p;

cout<<q<<endl;

cout<<p+2;

cin.get(sir1,255);

cin.get();

cin.get(sir2,255);

cout<<sir1<<endl<<sir2;\*/

cin>>sir1; /\* retine primele caractere pana la spatiu\*/

cout<<sir1;

}

**V7- sa se elimine ultima consoana dintr-un text**

#include<iostream.h>

#include<string.h>

#include<conio.h>

void main()

{

clrscr();

char fraza[255]; int i;

cout<<"fraza =";

cin.get(fraza,250);

int ok=1;

i=strlen(fraza)-1;

while (i>0&& ok==1)

{ if(strchr("aeiou",fraza[i])==NULL &&fraza[i]!=' ')

{ strcpy(fraza+i,fraza+i+1);

ok=0;}

else i--;

}

cout<<fraza<<endl;

}

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#include<iostream.h>

#include<string.h>

#include<conio.h>

void main()

{ clrscr();

char cuv[21],voc[]="aeiou",\*p,clona[21]; int i;

cout<<"cuvant =";

cin.get(cuv,20);

for(i=0;i<5;i++)

{ strcpy(clona,cuv);

p=strchr(clona,voc[i]);int ok=0;

while(p)

{ strcpy(p,p+1);

p=strchr(clona,voc[i]);

ok=1;}

if(ok) cout<<clona<<endl; }

}